Title: Perfect score:

Sequence:

ı

OM nucleic

on:

Run

Scoring table:

Searched:

Database

Š. Result

--

us-09-938-013a-2.rge

```
AC080070 Homo sapi
AC019193 Homo sapi
AC087256 Homo sapi
AC073307 Homo sapi
AC021868 Homo sapi
AC019209 Homo sapi
AC19209 Homo sapi
AL365322 Mouse DNA
AL363755 Homo sapi
AC093028 Homo sapi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HASSMNEUR8 1266 bp DNA linear PRI 16-MAY-1996 Human survival motor neuron (SMN) gene, exons 7 and 8, and complete
043883 Human survi
A77034 Sequence 13
AR100219 Sequence
BR100219 Sequence
BC000908 Homo sapi
U21914 Human dupli
U18423 Human spina
BC015308 Homo sapi
A77035 Sequence 12
AR100218 Sequence
AR100220 Sequence
AR100228 Sequence
AR100228 Sequence
AR100228 Sequence
AR100229 Homo sapi
AC016554 Homo sapi
AC016554 Homo sapi
AC01627 Homo sapi
AC010237 Homo sapi
AC010237 Homo sapi
AC010237 Homo sapi
AC02319 Homo sapi
AC02319 Homo sapi
AC02219 Homo sapi
AC02219 Homo sapi
AC02356 Sequence
U91640 Human survi
AC0221635 Homo sapi
AL513498 Homo sapi
AL512635 Human Survi
AC092844 Homo sapi
AC092844 Homo sapi
AC092854 Homo sapi
AC092864 Homo sapi
AC092864 Homo sapi
AC11657 Homo sapi
AC11657 Homo sapi
AC11657 Homo sapi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo saplens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1266)
Lefebvre, S., Burglen, L., Reboullet, S., Clermont, O., Burlet, P., Viollet, L., Benichou, B., Cruaud, C., Millasseau, P., Zeviani, M. et
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 (bases 1 to 1266)
Burglen,L., Lefebvre,S., Clermont,O., Burlet,P., Viollet,L.,
                                                                                                                                                                                                                                                                                   AL606844 I
AL512635 I
AC091881 I
AC092354 I
AC011657 I
AC011657 I
AL133492 I
AL163303 I
AC019193 I
AC019193 I
AC073307 I
AC073307 I
AC073307 I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a spinal muscular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                al.
Identification and characterization of
atrophy-determining gene
Cell 80 (1), 155-165 (1995)
95112343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                              AL35322
AL353755
AC093028
                                                                                                                                                                                                                                                                                                                                                                                                         AC087256
AC073307
AC021868
AC006478
                                                                                                                                                                           ACO04999
HSU80017
ACO10272
ACO22119
ACO10237
ACO44797
ARO22360
HSU91640
                                                                                                                                                                                                                                                                                    AL606844
AL512635
AC009484
AC091381
AC092354
AC011657
AC009180
HS101D08
HS21C103
AC080070
                                                                                                  A77033
A77035
AR100218
AR100220
AR100228
AC01531
                                                                                                                                                                                                                                                                AC002050
HS336012
           A77034
A77036
AR100219
AR100221
BC000908
HSU21914
                                                                                                                                                                                                                                                                                                                                                                                                                                                      AC019209
                                                                                      BC015308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        U43883
U43883.1 GI:1314344
Spinal muscular atrophy g
8 of 8
human.
                                                                                                  1582
1582
1582
1582
3271
182974
11331078
11331078
11331078
1155306
1155306
1155306
1155306
1155306
1155306
115631
1178631
118881
1138841
1138841
1134157
114949
1173239
1173239
1173239
                                                                                     100.0
100.0
100.0

        5
        5
        5
        5
        5
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6
        6

                                                                                                                                                                                                                                                                                                                                                                                                                                                               26.8
26.2
26.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCUS
DEFINITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JOURNAL
MEDLINE
REFERENCE
AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1
HSSMNEUR8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE
AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACCESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VERSION
KEYWORDS
SEGMENT
SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE
   44
44
54
54
54
                                                                                                                                                                                                                                                                                                                                                                                                                                           0000
                                                                                                                                                                      ပပ
                                                                                                                                                                                                                                                                                                                                 υU
                                                                                                                                                                                                                                                                                                                                                           ပပ
                                                                                                                                                                                                                                                                                                                                                                                         0 0
                                                                        ; Search time 983.832 Seconds
(without alignments)
1169.874 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ts predicted by chance to have a the score of the result being printed, to total score distribution.
                                                                                                                                            53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                             .....ctaaagaaacgatcagacag
                                                                                                                                                                                                                     3595312
            5.1.3
Compugen Ltd.
                                                                                                                                                                                                                     parameters:
                                                                                                                                                                                               1797656 seqs, 10463268293 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUMMARIES
            ersion
2002
                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                       model
                                                                           9:54
                                                                                                                                                                          Gapop 10.0 , Gapext 1.0
                                                                                                                                            1 gaaatgctggcatagagcag.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of resulticore greater than or equal to tand is derived by analysis of the
             Š
                                                                                                                                                                                                                    Total number of hits satisfying chosen
                                                                           October 23, 2002, 06:1
                                                       using sw
            GenCore
Copyright (c) 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   em_htg_hum:*
em_htg_inv:*
em_htg_other:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    em_htgo_inv:*
                                                                                                                                                                                                                                          Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                  US-09-938-013A-2
55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
Score Match Length DB
                                                                                                                                                                                                                                                                                                                           gb_ba:*
gb_htg:*
gb_om:*
gb_ow:*
gb_pat:*
gb_pl:*
gb_pl:*
gb_ro:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        em_pat:*
em_ph:*
em_pl:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 em_sts:*
em_un:*
em_vi:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             em_mu:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        em_om:*
em_or:*
                                                                                                                                                                IDENTITY_NUC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        em_ro:*
                                                       nucleic search,
                                                                                                                                                                                                                                                                                                                     GenEmb1:*
```

```
COUNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE
AUTHORS
TITLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACCESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACCESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VERSION
KEYWORDS
                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOURNAL
                                                                                                                                                                                            exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 2
A77034
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KEYWORDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VERSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A77036
                                                                                                                                                                                                                                                                                  BASE CC
ORIGIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                  ğ
                                                                                                                                                                                                                                                                                                       1. .1266
/organism="Homo sapiens"
/db_xref="taxon:9606"
/db_xref="taxon:9606"
/chromosome="5"
/map="5q13"
join(U43876.1:575. .688,U43877.1:104. .175,
U43876.1:118. .237,U43882.1:53. .163,209. .262,707. .>1266)
/gene="SMN"
/note="spinal muscular atrophy gene; cDNA sequence found
in GenBank Accession Number U18423"
/product="survival motor neuron"
join(U43876.1:575. .762,U43877.1:1. .257,U43878.1:1. .314,
U43879.1:1. .357,U43880.1:1. .302,U43881.1:1. .251,
U43882.1:1. .244,1. .1266)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /yene="spinal muscular atrophy gene"
/note="spinal muscular atrophy gene"
/codon_start=1
/product="survival motor neuron"
/protein_id="AAC50473.1"
/db_xref="GI:1314346"
/translation="MAMSSGGSGGGVPEQEDSVLFRRGTGQSDDSDIWDDTALIKAYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KAVASFKHALKNGDICETSGKPKTTPKRKPAKKNKSQKKNTAASLQQWKVGDKCSAIW
SEDGCIYPATIASIDFKRETCVVVYTGYGNRBEQNLSDLLSPICEVANNIEQNAQENE
NESQVSTDESENSRSPGNKSDNIKPKSAPWNSFLPPPPPPPPPPPRFGFKFNGPP
PPPPPPPHLLSCWLPPFPSGPPIIPPPPPICPDSLDDADALGSMLISWXMSGYHTGY
                                                                                                                                                     IFREM, Hopital
Paris 75743,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        specific to the centromeric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       change specific to the centromeric
                                                                                                                                                                                                         Duplicated gene within the 5q13 region; interspecies conserved sequences. The SMN gene is present in two copies within the SMA (spinal muscular atrophy) candidate region on chromosome 5q13. Itwo copies are transcribed and are distinguished by sequence differences specific to the centromeric copy.

Location/Qualifiers
                         human survival motor neurone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  join(U43876.1:608. .688,U43877.1:104. .175,
U43878.1:118. .237,U43879.1:84. .284,U43880.1:69.
U43881.1:103. .198,U43882.1:53. .163,209. .259)
/gene="SMN"
                                                                                                                                                     die Burglen, INSERM U-393,
9, rue de Sevres Cedex 15,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .>1266)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          change
Cruaud, C., Munnich, A. and Melki, J. Structure and organization of the (SMN) gene Genomics 32 (3), 479-482 (1996) 96435930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           copy"
/citation=[1]
/replace="t",
join(260, 262,707...)
/gene="SMN"
263...706
/gene="SMN"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           YMGFRQNQKEGRCSHSLN
                                                                                            3 (bases 1 to 1266)
Burglen, L.
Direct Submission
Submitted (26-DEC-1995) Lydi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note="a nucleoti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="a nucleoti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         copy"
/citation=[1]
/replace="a"
209. .262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <1. .208
/gene="SMN"
/number=6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             209. .262
/gene="SMN"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /gene="SMN"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /gene≂"SMN"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gene="SMN"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /number=7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    number=7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            misc_difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      misc_difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   misc_difference
                                                                                                                                                                                           France
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         intron
                                                                                                                                                                                                                                                                                                                           source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3'UTR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exon
                                                                                               REFERENCE
AUTHORS
TITLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene
                                                                                                                                                        JOURNAL
                                                                               MEDLINE
                                                            JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CDS
                                                                                                                                                                                                                                                                                                         FEATURES
                        TITLE
                                                                                                                                                                                                              COMMENT
```

ed

C

```
PAT 19-0CT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                         PAT 19-0CT-1999
                                                                                                                                                                                                                                                                    ö
                                                               /gene="SMN"
/note="a nucleotide change specific to the centromeric
/note="a nucleotide change specific to the centromeric
                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 1408)
Melki, J. and Munnich, A.
SURVIVAL MOTOR NEURON (SMN) GENE: A GENE FOR SPINAL MUSCULAR
ATROPHY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A GENE FOR SPINAL MUSCULAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    900
                                                                                                                                                                                                                                                                                                           5
                                                                                                                                                                                                                                                                                             55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ó
                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAAATGCTGGCATAGAGCAGCACTAAATGACACCACTAAAGAAACGATCAGACAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GAAATGCTGGCATAGAGCAGCACTAAATGACACCACTAAAGAAACGATCAGACAG
                                                                                                                                                                                                                                                                                              1 GABATGCTGGCATAGAGCAGCACTABATGACACCACTABAGABACGATCAGACAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1408;
                                                                                                                                                                                                                                         Length 1266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                            Score 55; DB 9; Le:
Pred. No. 7.1e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 55; DB 6; ilarity 100.0%; Pred. No. 7e-09; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA
                                                                                                                                                                                                                                                                                                                                                                                          DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent: EP 0708178-A 11 24-APR-1996;

INST NAT SANTE RECH MED (FR)

Location/Qualifiers

1. 1408

/organism="unidentified"

/db_xref="taxon:32644"

464 a 198 c 277 g 469 t
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 11 from Patent EP0708178. A77034
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 1408)
Melki, J. and Munnich, A.
SURVIVAL MOTOR NEURON (SMN) GENE:
ATROPHY
                                                                                                                                                                                                   425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1408 bp
Sequence 13 from Patent EP0708178.
A77036
                                                                                                                                                                                                     φ
                                                                                                                                                                                                    245
                                                                                                                                                                                                                                                                   0;
                                                                                           copy"
/citation=[1]
/replace="g"
707. .>1266
/gene="SMN"
            copy"
/citation=[1]
/replace="g"
                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                            /number=8
1253. .1258
/gene="SMN"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GI:6088826
                                                                                                                                                                                                                                                                                                                                                                                                                               GI:6088824
                                                                                                                                                                                                  166 c
                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  unidentified
unclassified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       unidentified.
unidentified
unclassified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        unidentified
                                                    477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A77036.1
                                                                                                                                                                                                                                                                                                                                                                                                                             A77034.1
                                                     misc_difference
                                                                                                                                                                          polyA_signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Sim:
Matches 55;
                                                                                                                                                                                                                                                                     55;
                                                                                                                                                                                                                                           Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOURCE
ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BASE COUNT
ORIGIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DEFINITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUTHORS
TITLE
                                                                                                                                                                                                                                                                                                                                                                                                       DEFINITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    846
```